AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated below. The language being added is underlined ("__") and the language being deleted contains either a strikethrough ("——") or is enclosed by double brackets ("[[ ]]").

LISTING OF CLAIMS

1. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum transmission over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ±10% decibel-milliwatts per hertz (dBm/Hz) at 0 ±10% kilohertz (kHz); -97.5 ±10% dBm/Hz at 4 ±10% kHz; -92.5 ±10% dBm/Hz at 4 ±10% kHz; -36.5 ±10% dBm/Hz at 25 ±10% kHz; -36.5 ±10% dBm/Hz at 1104 ±10% kHz; -46.5 ±10% dBm/Hz at 2208 ±10% kHz; -101.5 ±10% dBm/Hz at 3925 ±10% kHz; -101.5 ±10% dBm/Hz at 8500 ±10% kHz; -103.5 ±10% dBm/Hz at 8500 ±10% kHz; and -103.5 ±10% dBm/Hz at 11040 ±10% kHz.

2. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum transmission over a plain old

telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ±10% decibel-milliwatts per hertz (dBm/Hz) at 0 ±10% kilohertz (kHz); -97.5 ±10% dBm/Hz at 4 ±10% kHz; -72.5 ±10% dBm/Hz at 80 ±10% kHz; -36.5 ±10% dBm/Hz at 138 ±10% kHz; -36.5 ±10% dBm/Hz at 1104 ±10% kHz; -46.5 ±10% dBm/Hz at 2208 ±10% kHz; -101.5 ±10% dBm/Hz at 3925 ±10% kHz; -101.5 ±10% dBm/Hz at 8500 ±10% kHz; -103.5 ±10% dBm/Hz at 8500 ±10% kHz; and -103.5 ±10% dBm/Hz at 11040 ±10% kHz.

3. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum transmission over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ±10% decibel-milliwatts per hertz (dBm/Hz) at 0 ±10% kilohertz (kHz); -97.5 ±10% dBm/Hz at 4 ±10% kHz; -92.5 ±10% dBm/Hz at 4 ±10% kHz; -56.5 ±10% dBm/Hz at 25 ±10% kHz; -56.5 ±10% dBm/Hz at 1104 ±10% kHz; -46.5 ±10% dBm/Hz at 2208 ±10% kHz; -101.5 ±10% dBm/Hz at 3925 ±10% kHz; -101.5 ±10% dBm/Hz at 8500 ±10% kHz; -103.5 ±10% dBm/Hz at 8500 ±10% kHz; and -103.5 ±10% dBm/Hz at 11040 ±10% kHz.

4. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum transmission over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ±10% decibel-milliwatts per hertz (dBm/Hz) at 0 ±10% kilohertz (kHz); -97.5 ±10% dBm/Hz at 4 ±10% kHz; -92.5 ±10% dBm/Hz at 80 kHz; -56.5 ±10% dBm/Hz at 138 ±10% kHz; -56.5 ±10% dBm/Hz at 1104 ±10% kHz; -46.5 ±10% dBm/Hz at 2208 ±10% kHz; -101.5 ±10% dBm/Hz at 3925 ±10% kHz; -101.5 ±10% dBm/Hz at 8500 ±10% kHz; -103.5 ±10% dBm/Hz at 8500 ±10% kHz; and -103.5 ±10% dBm/Hz at 11040 ±10% kHz.

5. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum over an integrated digital services network (ISDN), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -90 ±10% decibel-milliwatts per hertz (dBm/Hz) at 0 ±10% kilohertz (kHz); -90 ±10% dBm/Hz at 93.1 ±10% kHz; -62 ±10% dBm/Hz at 209 ±10% kHz; -36.5 ±10% dBm/Hz at 255 ±10% kHz; -36.5 ±10% dBm/Hz at 1104 ±10% kHz; -46.5 ±10% dBm/Hz at 2208 ±10% kHz; -101.5 ±10%

dBm/Hz at 3925 ±10% kHz; -101.5 ±10% dBm/Hz at 8500 ±10% kHz; -103.5 ±10% dBm/Hz at 8500 ±10% kHz; and -103.5 ±10% dBm/Hz at 11040 ±10% kHz.

6. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum over an integrated digital services network (ISDN), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -90 ±10% decibel-milliwatts per hertz (dBm/Hz) at 0 ±10% kilohertz (kHz); -90 ±10% dBm/Hz at 93.1 ±10% kHz; -62 ±10% dBm/Hz at 209 ±10% kHz; -56.5 ±10% dBm/Hz at 255 ±10% kHz; -56.5 ±10% dBm/Hz at 1104 ±10% kHz; -46.5 ±10% dBm/Hz at 2208 ±10% kHz; -101.5 ±10% dBm/Hz at 3925 ±10% kHz; -101.5 ±10% dBm/Hz at 8500 ±10% kHz; -103.5 ±10% dBm/Hz at 8500 ±10% kHz; and -103.5 ±10% dBm/Hz at 11040 ±10% kHz.

7. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum transmission over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ± 5%

decibel-milliwatts per hertz (dBm/Hz) at 0 ± 5% kilohertz (kHz); -97.5 ± 5% dBm/Hz at 4 ± 5% kHz; -92.5 ± 5% dBm/Hz at 4 ± 5% kHz; -36.5 ± 5% dBm/Hz at 25 ± 5% kHz; -36.5 ± 5% dBm/Hz at 1104 ± 5% kHz; -46.5 ± 5% dBm/Hz at 2208 ± 5% kHz; -101.5 ± 5% dBm/Hz at 3925 ± 5% kHz; -101.5 ± 5% dBm/Hz at 8500 ± 5% kHz; -103.5 ± 5% dBm/Hz at 8500 ± 5% kHz; and -103.5 ± 5% dBm/Hz at 11040 ± 5% kHz.

8. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL non-overlap spectrum over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ± 5% decibel-milliwatts per hertz (dBm/Hz) at 0 + 5% kilohertz (kHz); -97.5 ± 5% dBm/Hz at 4 ± 5% kHz; -72.5 ± 5% dBm/Hz at 80 ± 5% kHz; -36.5 ± 5% dBm/Hz at 138 ± 5% kHz; -36.5 ± 5% dBm/Hz at 1104 ± 5% kHz; -46.5 ± 5% dBm/Hz at 2208 ± 5% kHz; -101.5 ± 5% dBm/Hz at 3925 ± 5% kHz; -101.5 ± 5% dBm/Hz at 8500 ± 5% kHz; -103.5 ± 5% dBm/Hz at 8500 ± 5% kHz; and -103.5 ± 5% dBm/Hz at 11040 ± 5% kHz.

9. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density

(PSD) mask for spectral shaping of an ADSL overlap spectrum over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ± 5% decibel-milliwatts per hertz (dBm/Hz) at 0 ± 5% kilohertz (kHz); -97.5 ± 5% dBm/Hz at 4 ± 5% kHz; -92.5 ± 5% dBm/Hz at 4 ± 5% kHz; -56.5 ± 5% dBm/Hz at 25 ± 5% kHz; -56.5 ± 5% dBm/Hz at 1104 ± 5% kHz; -46.5 ± 5% dBm/Hz at 2208 ± 5% kHz; -101.5 ± 5% dBm/Hz at 3925 ± 5% kHz; -101.5 ± 5% dBm/Hz at 8500 ± 5% kHz; -103.5 ± 5% dBm/Hz at 8500 ± 5% kHz; and -103.5 ± 5% dBm/Hz at 11040 ± 5% kHz.

10. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL non-overlap spectrum over a plain old telephone system (POTS), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -97.5 ± 5% decibel--milliwatts per hertz (dBm/Hz) at 0 ± 5% kilohertz (kHz); -97.5 ± 5% dBm/Hz at 4 ± 5% kHz; -92.5 ± 5% dBm/Hz at 80 ± 5% kHz; -56.5 ± 5% dBm/Hz at 138 ± 5% kHz; -56.5 ± 5% dBm/Hz at 1104 ± 5% kHz; -46.5 ± 5% dBm/Hz at 2208 ± 5% kHz; -101.5 ± 5% dBm/Hz at 3925 ± 5% kHz; -101.5 ± 5% dBm/Hz at 8500 ± 5% kHz; -103.5 ± 5% dBm/Hz at 8500 ± 5% kHz; and -103.5 ± 5% dBm/Hz at 11040 ± 5% kHz.

11. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum over an integrated digital services network (ISDN), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -90 ± 5% decibel-milliwatts per hertz (dBm/Hz) at 0 ± 5% kilohertz (kHz); -90 ± 5% dBm[[r]]/Hz at 93.1 ± 5%, kHz; -62 ± 5% dBm/Hz at 209 ± 5% kHz; -36.5 ± 5% dBm/Hz at 255 ± 5% kHz; -36.5 ± 5% dBm/Hz at 1104 ± 5% kHz; -46.5 ± 5% dBm/Hz at 2208 ± 5% kHz; -101.5 ± 5% dBm/Hz at 3925 ± 5% kHz; -101.5 ± 5% dBm/Hz at 8500 ± 5% kHz; -103.5 ± 5% dBm/Hz at 8500 ± 5% kHz; and -103.5 ± 5% dBm/Hz at 11040 ± 5% kHz.

12. (Previously Presented) An asynchronous digital subscriber line (ADSL) system comprising:

a central office (CO) operator configured to perform spectrum management, wherein the CO operator is further configured to provide a power spectral density (PSD) mask for spectral shaping of an ADSL overlap spectrum over an integrated digital services network (ISDN), the PSD mask represented at least in part by a plurality of break points, the plurality of break points including: -90 ± 5% decibel-milliwatts per hertz (dBm/Hz) at 0 ± 5% kilohertz (kHz); -90 ± 5% dBm/Hz at 93.1 ± 5% kHz; -62 ± 5% dBm/Hz at 209 ± 5% kHz; -56.5 ± 5% dBm/Hz at 255 ± 5% kHz; -56.5 ± 5% dBm/Hz at 1104 ± 5% kHz; -46.5 ± 5% dBm/Hz at 2208 ± 5% kHz; -101.5 ± 5% dBm/Hz at 3925 ±